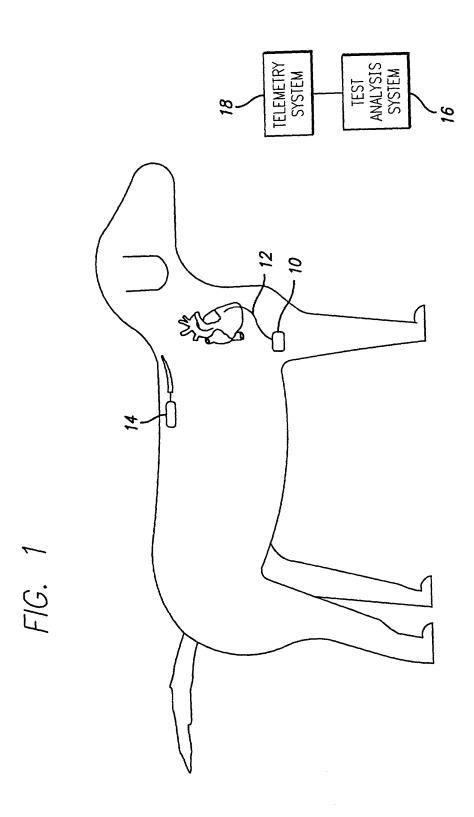
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Inventors PENG-SHENG CHEN

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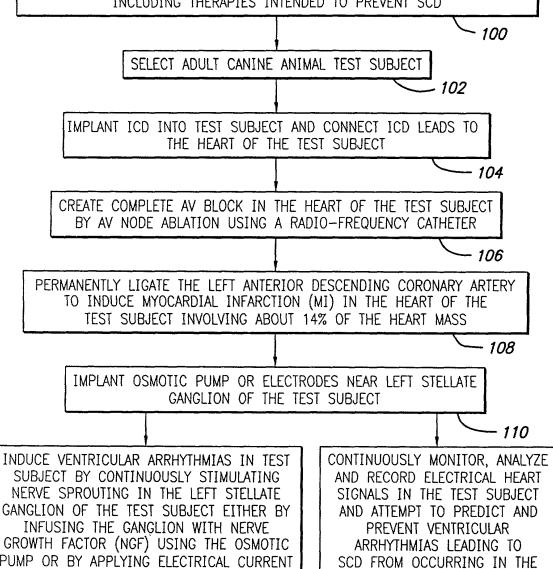
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FIG. 2

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PROGRAM IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD) TO DETECT AND ANALYZE ELECTRICAL HEART SIGNALS, TO PREDICT THE OCCURRENCE OF VENTRICULAR ARRHYTHMIAS FROM THE HEART SIGNALS, AND TO APPLY THERAPIES INTENDED TO PREVENT THE ARRHYTHMIAS FROM OCCURRING. INCLUDING THERAPIES INTENDED TO PREVENT SCD



GROWTH FACTOR (NGF) USING THE OSMOTIC PUMP OR BY APPLYING ELECTRICAL CURRENT TO THE GANGLION USING THE ELECTRODES

TEST SUBJECT USING THE ICD

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DETERMINE WHETHER TECHNIQUES EMPLOYED BY THE ICD TO PREDICT OR PREVENT VENTRICULAR ARRHYTHMIAS LEADING TO SCD WERE EFFECTIVE AND ANALYZE RECORDED HEART SIGNALS TO IDENTIFY ADDITIONAL PREDICTORS, IF ANY, OF VENTRICULAR ARRHYTHMIAS

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